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October 2017 Edition

October Meeting Minutes

Russ Ramirez, K0WFS, called the meeting to order at 1:00 PM. 18 were in attendance.

Introductions were made around the table.

Meeting minutes from September 2017 were approved.

Paul Bushouse, N0TYE, reports that there is \$2331.92 in the checking account.

Old Business:

The five year incorporation renewal for the Secretary of State is due.

The meeting room needs to be reserved for 2018.

Build-a-thon for next month was discussed. It was suggested that items needing repair could be brought in. There was also the suggestion of a field strength meter and watt meter.

There was some further discussion of the new Hans Summers 5W CW transceiver kit. One member has one on order and is expecting it shortly. Craig,

AA0ZZ has built one. He explained the pluses and minuses of the kit. He said that it has a very good receiver. One thing to be mindful of is the last step which is winding a toroid. Care must be taken to get the right leads into the correct holes.

New Business:

No new business.

Show & Tell

Mike Burk, KD0JXE, brought in several pieces of test equipment. He explained what each instrument did and how they compared for testing purposes. He also mentioned that he recently received some semi-conductors that were not as advertised. Some discussion of this problem ensued.





Mike Smith, N0WDM, brought in an Alpha Delta dipole and coax for anyone that might be able to use them.



Craig Johnson, AA0ZZ, brought in a new project enclosure he has recently designed. It is about the size of an Altoid tin. This box will be available from the 4 States club.

Craig also brought in the Hans Summers 40 meter QRP transceiver he recently built. He gave us a good run down of what he liked and what he would like to see changed. He is thinking about designing an enclosure for the rig.



October Presentation

Steve Ulrich, NW0C, spoke on *Spread Spectrum Technology*. Steve gave a little background on the invention of the technology and then explained the two main methods of implementing Spread Spectrum – Direct Sequencing and Frequency Hopping. CDMA was used as an example of Direct Sequencing.

Steve then showed how the technology was implemented in radio controlled models and went on to explain how servos work.

Respectfully submitted,
Steve, NW0C

Club Officers:

<i>President:</i>	<i>Russ Ramirez/K0WFS</i>	<i><u>russ.ramirez@gmail.com</u></i>
<i>Vice Pres:</i>	<i>Jeremy Mooney/KC0LDI</i>	<i><u>kc0ldi@qux.net</u></i>
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